

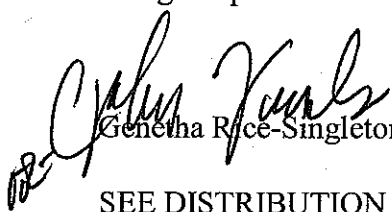
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0005530, Chattooga County
BR000-0005-00(530)
SR 48 over East Fork Little River-
Bridge Replacement

OFFICE Preconstruction

DATE May 1, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Paul Liles
Kent Sager
Dewayne Comer
BOARD MEMBER

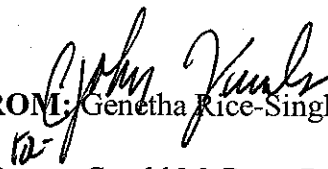
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0005530, Chattooga County
BR000-0005-00(530)
SR 48 over East Fork Little River-
Bridge Replacement

OFFICE: Preconstruction

DATE: April 22, 2008


FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 48 over East Fork Little River, 3.7 miles northeast of Menlo, Georgia. The existing bridge, constructed in 1937, is a 160'x 32' concrete structure with a sufficiency rating of 41. State Route 48 at this location is a rural two lane roadway with 12' lanes with variable width grass shoulders with a posted speed of 55 MPH. State Route 48 is a north-south roadway classified as a rural principal arterial. The current year traffic (2003) along this section of SR 48 is 2310 VPD. The design year (2030) volumes are projected to be 3200 VPD. The proposed speed design is 55 MPH.

The project proposes to construct a new 220'x 40' concrete bridge over East Fork Little River at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (6.5' paved). The existing bridge will be closed to traffic during construction. Traffic will be detoured via an on-site detour constructed south and west of the existing alignment. Due to the presence of known population of the federally threatened plant species *Sagittaria Secundifolia* near the existing bridge the detour cannot be located parallel to the existing bridge.

Environmental concerns include requiring a COE 404 permit; federally threatened plant species *Sagittaria Secundifolia*; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is not appropriate.

P.I. No. 0005530, Chattooga County

Page 2

April 22, 2008

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 2,619,000	\$ 1,500,000	L1C0	LR
Right-of-way	\$ 310,000	\$ 50,000	L1C0	LR
Utilities	\$ 40,000			

* Chattooga signed for utilities 1-14-03/ Rescission letter sent to Chattooga 6-18-07

I recommend this project concept be approved.

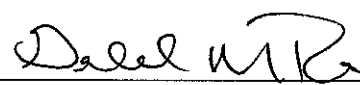
GRS: JDQ

Attachment

CONCUR


Todd I. Long, P.E., Director of Preconstruction

APPROVED


Gerald M. Ross, P.E., Chief Engineer



ELEVATION VIEW FROM THE RIGHT SIDE



LOOKING EAST

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Program Delivery and Consultant Design

PROJECT CONCEPT REPORT

PROJECT NUMBER: BR000-0005-00(530)

County: Chattooga

Project P.I. Number: 0005530

Federal Route Number: N/A

State Route Number: 48

S.R.48 at East Fork Little River Bridge Replacement

[see page 2 for location sketch]

Recommendation for Approval:

Date: March 5, 2008

Yun Tang
Project Manager

Date: March 5, 2008

M. Babs Abubakari

This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Program (STIP).

Date: _____

State Transportation Planning Administrator

Date: _____

State Transportation Financial Management Administrator

Date: _____

State Environmental/Location Engineer

Date: _____

State Traffic Safety and Design Engineer

Date: _____

District Engineer

Date: _____

State Project Review Engineer

Date: 3/28/08

Paul V. Tolan Jr.
Bridge Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Program Delivery and Consultant Design



PROJECT CONCEPT REPORT

PROJECT NUMBER: BR000-0005-00(530)

County: Chattooga

Project P.I. Number: 0005530

Federal Route Number: N/A

State Route Number: 48

S.R.48 at East Fork Little River Bridge Replacement

[see page 2 for location sketch]

Recommendation for Approval:

Date: March 5, 2008

Yun Tang
Project Manager

Date: March 5, 2008

M. Babs Abubakari

This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Program (STIP).

Date: _____

State Transportation Planning Administrator

Date: _____

State Transportation Financial Management Administrator

Date: _____

State Environmental/Location Engineer

Date: _____

State Traffic Safety and Design Engineer

Date: 3/10/2008

[Signature]
District Engineer

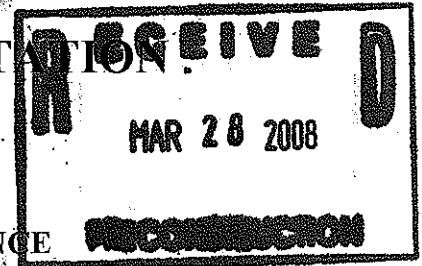
Date: _____

State Project Review Engineer

Date: _____

Bridge Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0005530

OFFICE: Environment/Location

DATE: March 26, 2008

FROM:  Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha-Rice Singleton, State Transportation Planning Administrator

SUBJECT: PROJECT CONCEPT REPORT
BR000-0005-00(530) / Chattooga County
SR 48 at East Fork Little river Bridge Replacement

The above subject Concept Report has been reviewed and appears satisfactory subject to the following comments:

1. This bridge is listed as not eligible in the GHBS.
2. Seasonal aquatic survey will be required as well as a May-September survey for the Kral Plantain. Twelve months may not be enough time to complete surveys and resolve Section 7 consultation.
3. A public detour meeting will be required if an off-site detour is ultimately used.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB/lc

cc: Brian Summers
Jamie Simpson
Angela Alexander
Keith Golden
Babes Abubakari
Paul Liles
Kent Sager

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Program Delivery and Consultant Design

PROJECT CONCEPT REPORT

PROJECT NUMBER: BR000-0005-00(530)

County: Chattooga

Project P.I. Number: 0005530

Federal Route Number: N/A

State Route Number: 48

S.R.48 at East Fork Little River Bridge Replacement

[see page 2 for location sketch]

Recommendation for Approval:

Date: March 5, 2008

Yun Tang
Project Manager

Date: March 5, 2008

M. Babs Abubakari

This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Program (STIP).

Date: _____

State Transportation Planning Administrator

Date: _____

State Transportation Financial Management Administrator

Date: 5/26/08

Glen Bauman
State Environmental/Location Engineer

Date: _____

State Traffic Safety and Design Engineer

Date: _____

District Engineer

Date: _____

State Project Review Engineer

Date: _____

Bridge Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Program Delivery and Consultant Design

PROJECT CONCEPT REPORT

PROJECT NUMBER: BR000-0005-00(530)

County: Chattooga

Project P.I. Number: 0005530

Federal Route Number: N/A

State Route Number: 48

S.R.48 at East Fork Little River Bridge Replacement

[see page 2 for location sketch]

Recommendation for Approval:

Date: March 5, 2008

Yun Tang
Project Manager

Date: March 5, 2008

M. Babs Abubakari

This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Program (STIP).

Date: _____

State Transportation Planning Administrator

Date: _____

State Transportation Financial Management Administrator

Date: _____

State Environmental/Location Engineer

Date: 3-12-08

[Signature]
State Traffic Safety and Design Engineer

Date: _____

District Engineer

Date: _____

State Project Review Engineer

Date: _____

Bridge Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Program Delivery and Consultant Design

PROJECT CONCEPT REPORT

PROJECT NUMBER: BR000-0005-00(530)

County: Chattooga

Project P.I. Number: 0005530

Federal Route Number: N/A

State Route Number: 48

S.R.48 at East Fork Little River Bridge Replacement

[see page 2 for location sketch]

Recommendation for Approval:

Date: March 5, 2008

Yun Tang
Project Manager

Date: March 5, 2008

M. Babs Abubakari

This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Program (STIP).

Date: 3/15/08

Angela S. Alford
State Transportation Planning Administrator

Date:

State Transportation Financial Management Administrator

Date:

State Environmental/Location Engineer

Date:

State Traffic Safety and Design Engineer

Date:

District Engineer

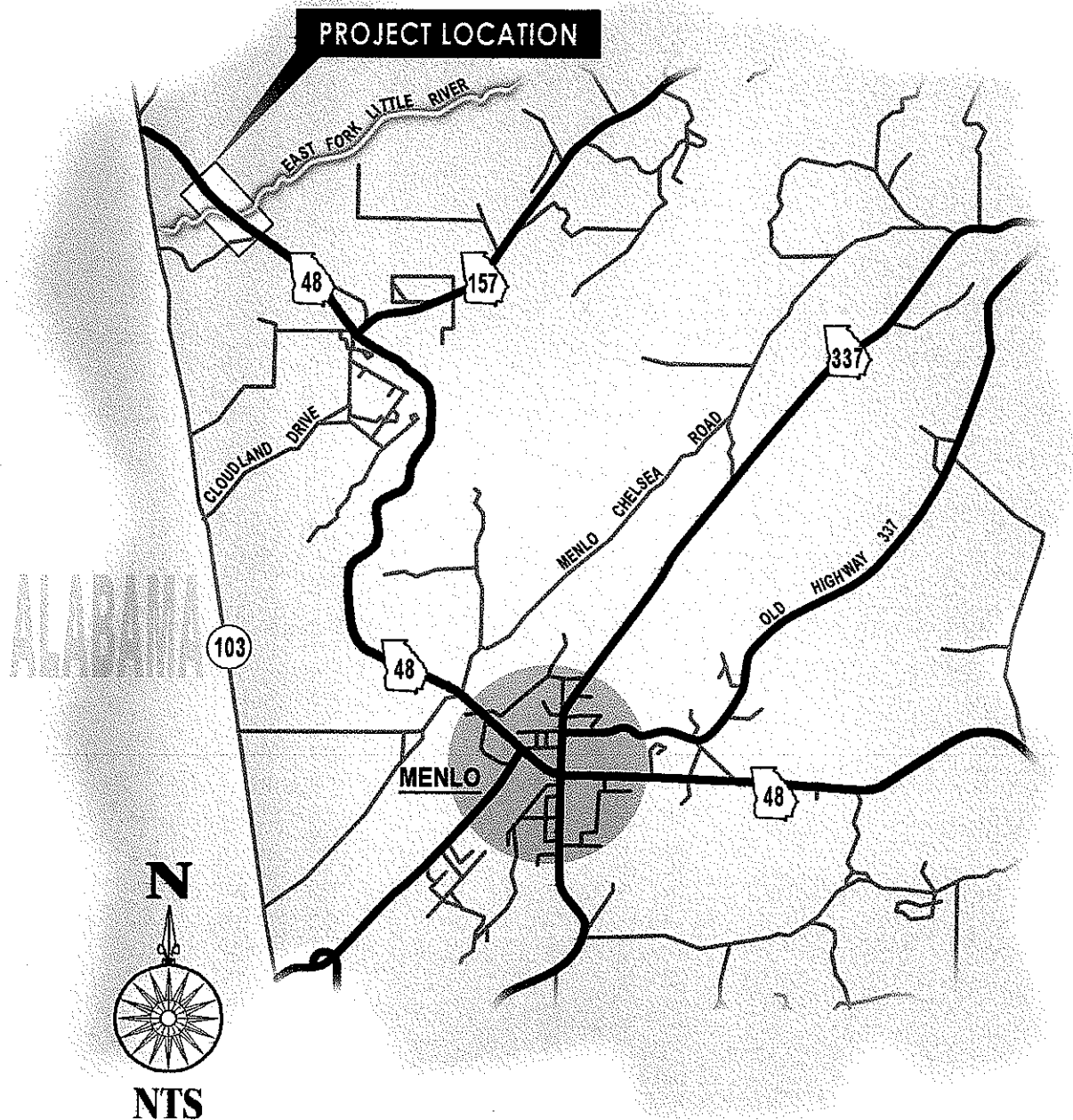
Date:

State Project Review Engineer

Date:

Bridge Design

SITE LOCATION MAP



Need and Purpose: Project BR-0005-00(530) will provide for the replacement of a bridge on SR 48 over East Fork Little River in Chattooga County.

The bridge meets GDOT's policy 2405-1 requirements to be replaced. The policy allows bridges with a sufficiency rating below 50 and on the Highway Bridge Replacement Rehabilitation Program (HBRRP) list to be replaced. The bridge is on the required HBRRP list, and the bridge has a sufficiency rating of 38.82. In addition to the substandard bridge sufficiency rating, the bridge's beams are deteriorating therefore further compromising its structural integrity. The deteriorating beams augment the need to replace this bridge.

The AADT along SR 48 at the bridge over East Fork Little River was 2,310 in 2003 and is expected to be 2,480 AADT in 2010 and 3,200 AADT by 2030. The LOS along this section of roadway was A in 2003 and is expected to be LOS B by 2030.

Other transportation plans were also reviewed to determine their involvement with the proposed bridge project. SR 48 is not a part of the GDOT's Statewide Bicycle Plan and the route is not on a school bus route. Project BR-0005-00(530) lies east of Project STP-000-00(309). Under Project STP-000-00(309), passing lanes will be added along SR 48 (see table below). The proposed bridge project can be constructed independently of the passing lane project.

Project #	Type of Work	Description	PE	ROW	CST
STP-000-00(309)	Passing Lane	SR 48 EB FROM MP .75 - 1.55/ WB FROM MP 3.00 - 4.10	LR	LR	LR

Project BR-0005-00(530) lies within Census Tract 9803. The total population in this census tract is 2,824 persons, 2.1% of the population is Black and 0.8% is Hispanic. There are 858 families living in Census Tract 9803 and about 6.8% of the families live below the poverty level. Land use in the area is mix residential, commercial, and manufacturing.

Description of the proposed project: The proposed bridge replacement on SR48 over East Fork Little River will have a total length of approximately 2150 linear feet with the existing bridge located near the center of the project. SR48 is currently signed at 55 mph. The existing bridge has a length of 150'. The replacement bridge will have an approximate length of 220'. The alignment will remain in the existing location. A temporary bypass will be constructed south and west of the existing alignment. Due to the presence of known population of the federally threatened plant species *Sagittaria Secundifolia* near the existing bridge the temporary bypass cannot be located parallel to the existing bridge.

Is the project located in a Non-Attainment area? No.

PDP Classification: Major Project () Minor Project (X)

Project Designation: Full Oversight () Exempt (X) State Funded () Other ()

Functional Classification: Rural Principal Arterial

U.S. Route Number: N/A

State Route Number: 48

Traffic (AADT - 2003 counts) - 2310 v.p.d.

Traffic Projections (AADT) - Base Year 2010 - 2480 v.p.d.

Traffic Projections (AADT) - Design Year 2030 - 3200 v.p.d.

Existing Design Features:

- SR 48 is a two-lane rural roadway with a 55 mph speed limit. The adjacent land use is agricultural with scattered residential and commercial structures.
- Typical Section: Two 12-foot travel lanes with 2-foot unpaved shoulders. Slopes vary from 2:1 to 4:1.
- Posted Speed: 55 mph
- Maximum Radius: 2,350 feet
- Maximum Grade (mainline): 5.44%
- Maximum Grade (driveway): 17%
- Width of Right-Of-Way: Varies 100 feet – 120 feet
- Major Structures: Bridge, Structure ID 055-0007-0, 160' long, 32.00' deck width, 41.31 Suff. rating
- Major interchanges or intersections along the project: none
- Existing length of roadway segment: 0.37 miles

Proposed Design Features:

- Proposed Typical Sections: One 12-foot through lane in each direction with a 10-foot shoulder, 6.5-foot paved and 3.5-foot grassed. Slopes will vary from 2:1 in areas with guardrail to 6:1 in areas without guardrail.
- Proposed Design Speed: 60 mph
- Proposed Maximum Grade: 5.0%
- Maximum Grade Allowable: 9%
- Proposed Maximum Grade (Driveway): 25%
- Proposed Minimum Radius: 2350'
- Minimum Radius Allowable: 643'
- Right of Way
 - Width: Varies -- minimum 110'
 - Easements: Temporary () Permanent (X) Utility () Other ()
 - Type of access Control: Full () Partial () By Permit (X) Other ()
 - Number of Parcels: 13
 - Number of Displacements:
 - Business: 0
 - Residences: 0
 - Mobile Homes: 0
 - Other: 0
- Structures: Bridge approximately 220 feet long and 40 feet wide
- Major intersections and interchanges: N/A
- Traffic control during construction: A temporary detour will be constructed south and west of the existing bridge. Traffic will utilize the detour bridge while the new one is constructed in the same location as the existing bridge. All driveway access will be maintained during construction.

- Design Exceptions to controlling criteria anticipated:

	<u>Undetermined</u>	<u>Yes</u>	<u>No</u>
Horizontal Alignment			X
Roadway Width			X
Shoulder Width			X
Vertical Grades			X
Cross Slopes			X
Stopping Site Distance			X
Super Elevation Rates			X
Horizontal Clearance			X
Speed Design			X
Vertical Clearance			X
Bridge Width			X
Bridge Structural Capacity			X

- Design Variances: None
- Environmental Concerns: Stream Crossing, Wetland Area, Federally threatened plant species Sagittaria Secundifolia
- Level of Environmental Analysis:
 - Are Time Saving Procedures appropriate? Yes () No (X)
 - Categorical Exclusion? Yes (X) No ()
 - Environmental Assessment/Finding of No Significant Impact – N/A
 - Environmental Impact Statement – N/A
- Utility Involvements:
 - North Georgia EMC
 - Charter Communications
 - Bellsouth
 - Windstream Communications
 - Georgia Power

Project Responsibilities:

- Design – GDOT
- Right-of-Way Acquisition – GDOT
- Relocation of Utilities – GDOT
- Letting to Contract – GDOT
- Supervision of Construction – GDOT
- Providing Material Pits – Contractor
- Providing Detours – GDOT

Coordination

- Initial Concept Meeting Date: TBD
- Concept meeting date and brief summary:
- P.A.R meetings, dates and results: N/A
- FEMA, USCG and/or TVA: TBD
- Public Involvement: N/A
- Local Government Comments: TBD
- Other Projects in the area: None
- Other Coordination to date: None

Scheduling – Responsible Parties Estimate

Time to complete environmental process: 12 months

Time to complete preliminary construction plans: 2 month

Time to complete right-of-way plans: 1 month

Time to complete the Section 404 permit: 2 months

Time to complete final construction plans: 1 month

Time to complete the purchase of right-of-way: 12 months

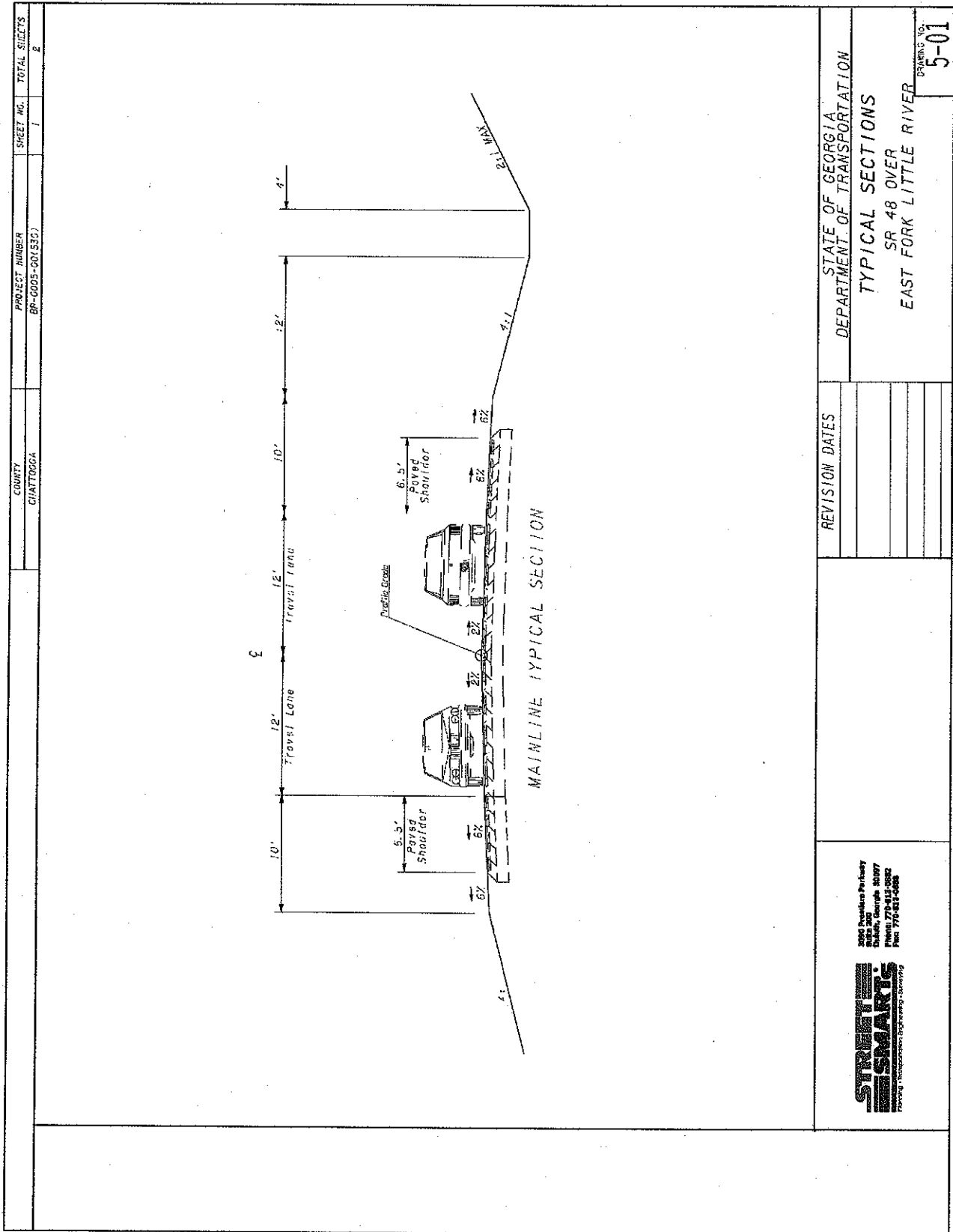
List other major items that will affect the project schedule: None

Other Alternates Considered:

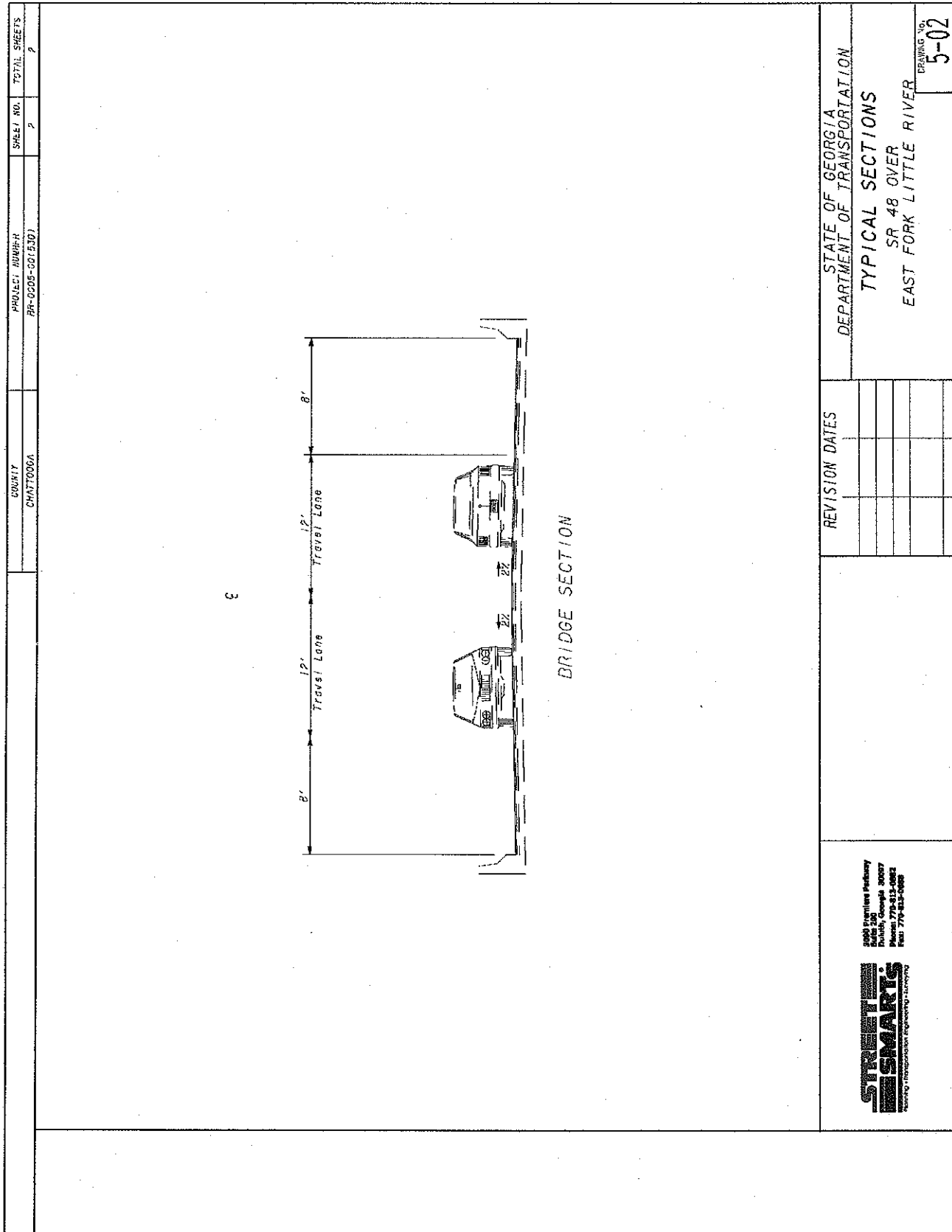
1. No Build. The No Build option is not a viable one since it does not address the structural deficiencies in the bridge and therefore does not meet the need and purpose of the project.
2. Use existing alignment of SR48 and build a temporary detour bridge parallel to the existing bridge. Due to the presence of known population of the federally threatened plant species *Sagittaria Secundifolia* near the existing bridge the temporary bypass cannot be located parallel to the existing bridge.
3. Offsite Detour. The project is located approximately 4000' from the Alabama/Georgia state line. Due to the steep terrain very few roads local road and no State Routes connect SR48 to a parallel road way either north or south of the project location. The offsite detour would have to extend into Alabama and would be extremely long. (greater than 40 miles)

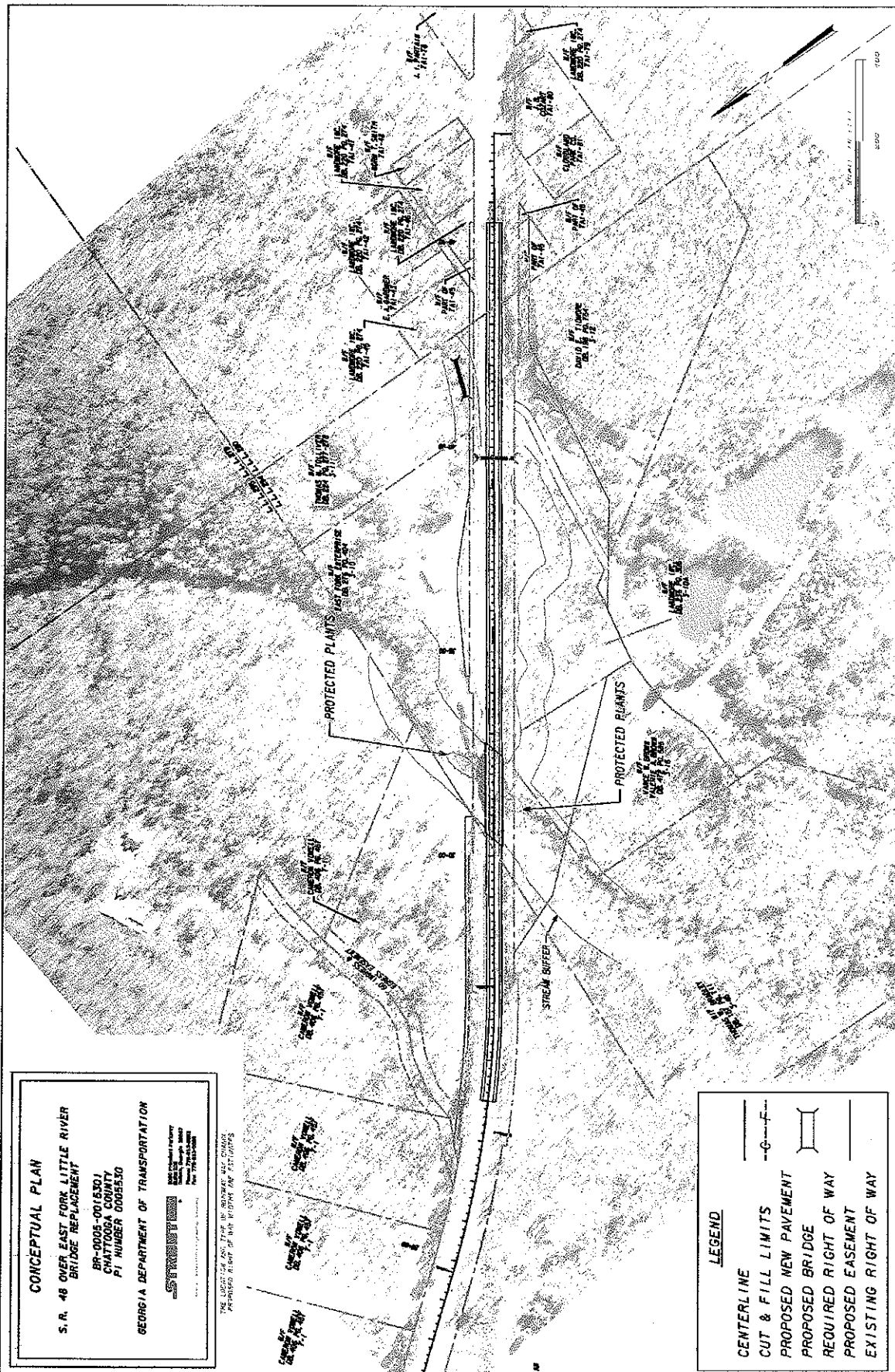
Attachments:

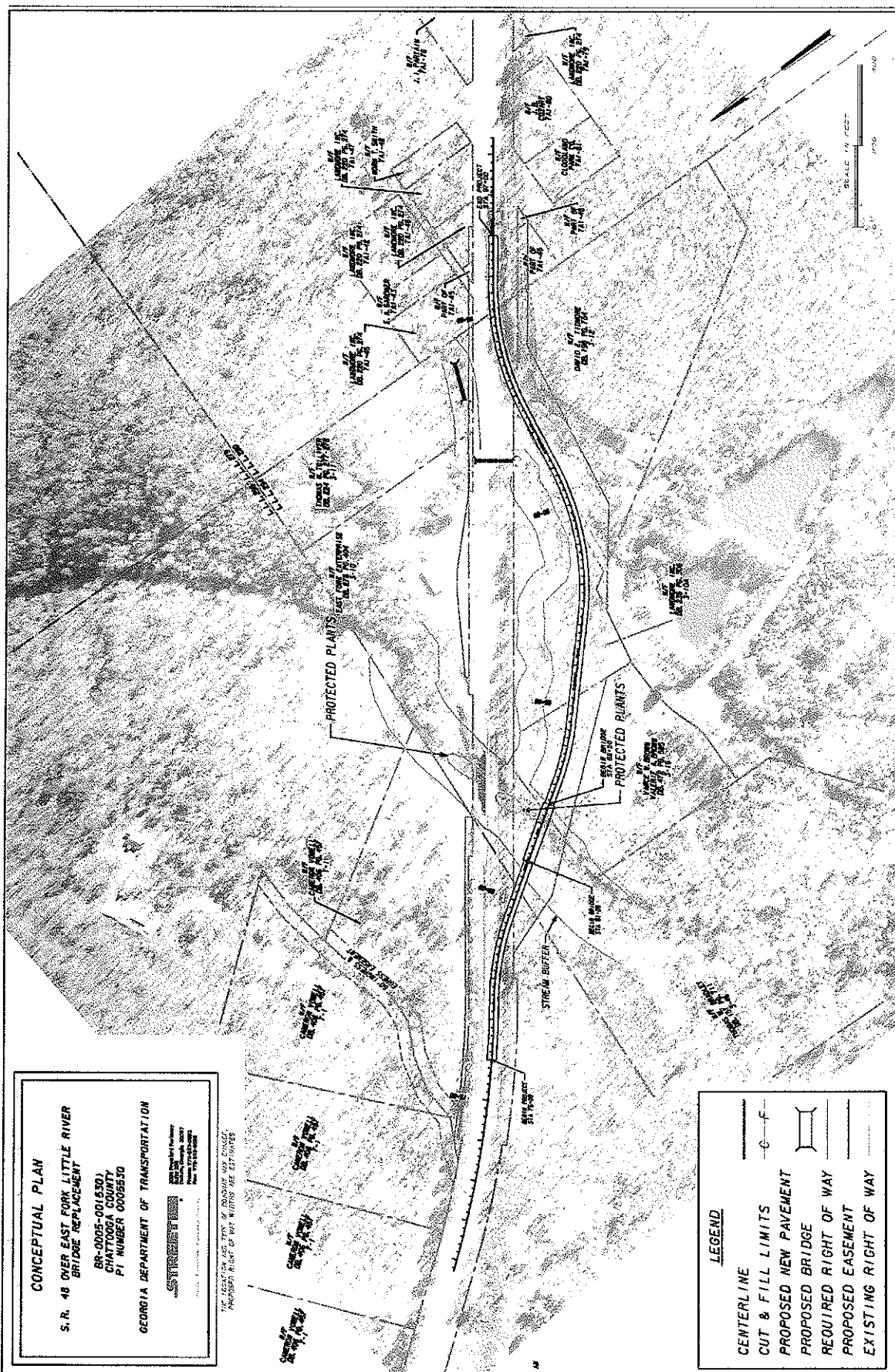
1. Roadway Typical Section
2. Concept Plan – Final Bridge Location
3. Concept Plan – Bypass Location
4. Cost Estimate Summary
5. Cost Estimate Detail
6. Right-of-Way Estimate
7. Concept Team Meeting Minutes
8. Notice of Location and Design



STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS SR 48 OVER EAST FORK LITTLE RIVER
REVISION DATES	DRAWING NO. 5-01
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>STREET SMARTS 2000 Piedmont Parkway Atlanta, Georgia 30307 Phone: 770-411-5882 Fax: 770-411-6888</p> </div> <div style="text-align: right;"> <p>PROJECT: BR-0005-00(530)</p> </div> </div>	







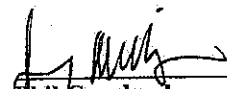
Cost Estimate Summary

A. Right-of-Way	\$309,100.00
B. Reimbursable Utilities	\$40,000.00
C. Construction	
1. Major Structures	\$854,000.00
2. Grading and Drainage	\$45,000.00
3. Base and Paving	\$695,400.00
4. Lump Items	\$106,000.00
5. Miscellaneous	\$12,000.00
6. Detour	\$514,000.00
Subtotal Construction Cost	\$2,226,400.00
Engineering @ 5%	111,320.00
Contingency @ 12%	280,526.40
Total Const Cost	\$2,618,246.40
Right-of-way	309,100
Utilities	40,000
	\$2,967,346

Cost Estimate Detail

A. Right-of-Way	
1. Property: ROW (see ROW Estimate)	\$309,100.00
Subtotal A	\$309,100.00
B. Reimbursable Utilities	
1. Water	\$0.00
2. Electric	\$40,000.00
Subtotal B	\$40,000.00
C. Construction	
1. Major Structures: Bridge 220' x 40' @ \$80/sq. ft.	\$704,000.00
Remove Existing Bridge	\$150,000.00
Subtotal C-1	\$854,000.00
2. Grading and Drainage	
a. Earthwork (cy @ \$8.00/cy)	\$0.00
b. Drainage	\$15,000.00
c. Clearing & Grubbing (3 acres @ \$10,000/acre)	\$30,000.00
Subtotal C-2	\$45,000.00
3. Base and Paving	
a. 10" Aggregate Base (8850 sy @ \$22.00/sy)	\$194,700.00
b. Asphalt Paving	
1 1/4" 9.5mm Superpave (620 tons@ \$100/ton)	\$62,000.00
2" 19mm Superpave (975 tons@ \$100/ton)	\$97,500.00
7" 25 mm Superpave(3400 tons@ \$100/ton)	\$340,000.00
Milling (600 sq. yds. @ \$2.00/sq. yd.)	\$1,200.00
Subtotal C-3	\$695,400.00
4. Lump Items	
a. Grassing (6ac @ \$1000/acre)	\$6,000.00
c. Erosion Control	\$100,000.00
Subtotal C-4	\$106,000.00
5. Miscellaneous	
a. Signing & Marking	\$12,000.00
b. Guardrail (0 lf @ \$16/lf)	\$0.00
Subtotal C-5	\$12,000.00
6. Detour	
a. Earthwork (cy @ \$8.00/cy)	
b. Drainage	\$10,000.00
c. 10" Aggregate Base (5250 sy @ \$22.00/sy)	\$115,500.00
d. Asphalt Paving	
1 1/4" 9.5mm Superpave (435 tons@ \$100/ton)	\$43,500.00
4" 25mm Superpave (1200 tons@ \$100/ton)	\$120,000.00
e. Traffic Control	\$60,000.00
f. Temporary Bridge 24'x150'	\$165,000.00
Subtotal C-6	\$514,000.00

Preliminary Right of Way Cost Estimate


Phil Copeland
Right of Way Administrator
By: Jerry Milligan

Date: February 29, 2008
Project: BR-0005-00(530)Chattooga
Existing/Required R/W: Varies/Varies
Project Termini : SR 48 over E. Fork Little River Bridge Replacement
Project Description: SR 48 Bridge Replacement

P.I. Number: 0005530
No. Parcels: 11

Land: Ag/R/W 6.4 acres @ \$10,000/acre	\$ 64,000
Improvements : misc. site improvements	25,000
Relocation: Commercial (0) Residential (0)	0
Damage : Proximity (0) Cost to Cure (0)	0
Net Cost	\$ 89,000

Net Cost	\$ 89,000
Scheduling Contingency 55 %	48,950
Adm/Court Cost 60	82,770
Market Appreciation 40 %	<u>88,288</u>
	\$ 309,008

Total Cost \$309,100

CONCEPT TEAM MEETING MINUTES, Oct 16, 2007

PROJECT NUMBER: BR-0005-00(530)

County: Chattooga

Project PI No.: 0005530

S.R. 48 at East Fork Little River Bridge Replacement

Issues discussed:

- ⇒ What was the approximate time for the scheduling of Right of Way.
- ⇒ The terrain for the proposed detour (fairly level and able to maintain driveway access).
- ⇒ The temporary bridge should be south of existing bridge and protected plant life.
- ⇒ There should be NO buffer variance.
- ⇒ The cold water stream runs north/south.
- ⇒ Driveways may be at or around 18% grade (existing grade at 14 – 15%).
- ⇒ Utility poles may need to be moved.
- ⇒ No fuel tanks are located at the Country Store.
- ⇒ We may need additional R/W if water lines are located/discovered (15 – 20' additional).
- ⇒ Detour should be two 11' – 12' lanes with concrete barriers (no guardrails).
- ⇒ Need to come to a decision on whether to replace/extend the existing culvert.

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Name	Project Number	P.I. Number	County
SR48 at East Fork Little River Replacement	BR-0005-00(530)	005530	Chattooga

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is May 1, 2008

Descriptions of the Proposed Project:

This project is located in Chattooga County in the 11th U.S. Congressional District, in GMD 927, Chattooga County.

Descriptions of the Proposed Construction:

The proposed bridge replacement on SR48 over East Fork Little River will have a total length of approximately 2100 linear feet with the existing bridge located near the center of the project. SR48 is currently signed at 505 mph. The existing bridge has a length of 150'. The replacement bridge will have an approximate length of 150'. The alignment will remain in the existing location.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Glenn Brown, Area Engineer
Glenn.brown@dot.state.ga.us
533 East 20th Street
Rome, GA 30161
Telephone: (706) 295-6025

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Kent L. Sager, District Engineer
Kent.sager@dot.state.ga.us
500 Joe Frank Harris Parkway, SE
PO Box 10
Cartersville, GA 30120
Telephone (770) 387-3602

Any written request or communication in reference to this project or notice should include the Project and P.I. Numbers as noted at the top of this notice.

Bridge Inventory Data Listing Georgia Department of Transportation.

Structure ID: 055-0007-0

Chattooga

SUFF. RATING: 38.53

Location & Geography		Signs & Attachments	
* Structure ID:	055-0007-0	* 104 Highway System:	0
200 Bridge Information:	06	* 26 Functional Classification:	06
* 6A Feature Int:	EAST FORK LITTLE RIVER	* 204 Federal Route Type:	F No. 00191
* 6B Critical Bridge:	0	105 Federal Lands Highway:	0
* 7A Route Number Carried:	SR00048	* 110 Truck Route:	0
* 7B Facility Carried:	SR 48	206 School Bus Route:	0
* 9 Location:	3 MI NE OF MENLO	217 Benchmark Elevation:	0000.00
2 DOT District:	6	218 Datum:	0
207 Year Photo:	2006	* 19 Bypass Length:	34
* 91 Inspection Frequency:	24 Date: 4/12/2006	* 20 Toll:	3
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	* 21 Maintenance:	01
92B Underwater Insp Freq:	00 Date: 2/1/1901	* 22 Owner:	01
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	* 31 Design Load:	2
* 4 Place Code:	00000	37 Historical Significance:	5
* 5 Inventory Route (O/U):	1	205 Congressional District:	11
Type:	3	27 Year Constructed:	1937
Designation:	I	106 Year Reconstructed:	0000
Number:	00048	33 Bridge Median:	0
Direction:	0	34 Skew:	40
* 16 Latitude:	34 - 31.3810 HMMS Prefix: SR	35 Structure Flared:	0
* 17 Longitude:	85 - 30.3490 HMMS Suffix: 00 MP:0.66	38 Navigation Control:	0
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0
99 ID Number:	0000000000000000	267 Type of Paint:	1
* 100 STRAHNET:	0	* 42 Type of Service on:	5
12 Base Highway Network:	1	Type of Service under:	5
13A LRS Inventory Route:	551004800	214 Movable Bridge:	0
13B Sub Inventory Route:	0	203 Type Bridge:	A O M O
101 Parallel Structure:	N	259 Pile Encasement:	3
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	3 02
* 264 Road Inventory Mile Post:	000.66	45 No. Spans Main:	003
* 208 Inspection Area:	06 Initials: DEM	44 Structure Type Appr:	0 00
Engineer's Initial:	sgm	46 No. Spans Appr:	0000
		226 Bridge Curve Horz:	0 Vert: 1
		111 Pier Protection:	0
		107 Deck Structure Type:	1
* Location I.D. No.:	055-00048D-000.66E	108 Wearing Surface Type:	6
		Membrane Type:	0
		Deck Protection:	0
		225 Expansion Joint Type:	02
		242 Deck Drains:	1
		243 Parapet Location:	0.00
		Height:	0.00
		Width:	0.00
		238 Curb Height:	0.9
		Curb Material:	1
		239 Handrail:	1 1
		* 240 Median Barrier Rail:	0
		241 Bridge Median Height:	0.0
		* Bridge Median Width:	0.0
		Guardrail Loc. Dir.	3
		Rear:	3
		Fwd:	0
		Oppo. Dir. Rear:	0
		Oppo. Fwd:	0
		244 Approach Slab:	0
		224 Retaining Wall:	0
		233 Posted Speed Limit:	55
		236 Warning Sign:	1
		234 Delineator:	1
		235 Hazzard Boards:	1
		237 Utilities - Gas:	00
		Water:	00
		Electric:	00
		Telephone:	00
		Sewer:	00
		247 Lighting - Street:	0
		Navigation:	0
		Aerial:	0
		* 248 County Continuity No.:	00

Structure ID: 055-0007-0

Programming Data		Measurements		Ratings	
201 Project No.:	FAP 2	* 29 ADT:	002350 Year: 2006	65 Inventory Rating Method:	1
202 Plans Available:	4	109 % Trucks:	0	63 Operating Rating Method:	1
249 Prop. Proj. No.	BR-0005-00 (530)	* 28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 34
250 Approval Status:	0 0 0 0	210 No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 57
251 P.I. No.:	0005530	* 48 Max. Span Length:	0060	231 Calculated Loads	
252 Contract Date:	2/1/2011	* 49 Structure Length:	160	H-Modified:	21 0
260 Seismic No.:	00000	51 Br. Rwdy. Width:	23.90	HS-Modified:	30 0
75 Type Work:	34 1	52 Deck Width:	32.00	Type 3:	30 0
94 Bridge Imp. Cost:	\$221	* 47 Tot. Horiz. Cl:	23.90	Type 3s2:	40 0
95 Roadway Imp. Cost:	\$46	50 Curb / Sidewalk Width:	5.00 / 0.50	Timber:	37 0
96 Total Imp Cost:	\$347	32 Approach Rdwy. Width:	026	Piggyback:	40 0
76 Imp. Length:	000371	* 229 Shoulder Width:		261 H Inventory Rating:	26
97 Imp. Year:	1990	Rear Lt:	1.0 Type: 2 Rt: 1.0	262 H Operating Rating:	44
114 Future ADT:	003525 Year: 2026	Fwrd Lt:	1.0 Type: 2 Rt: 1.0	67 Structural Evaluation:	4
		Pavement Width:		58 Deck Condition:	5
		Rear:	24.0 Type: 2	59 Superstructure Condition:	4
			24.0 Type: 2	* 227 Collision Damage:	0
		Intersection Rear:	0 Fwrd: 0	60A Substructure Condition:	6
		36 Safety Features Br. Rail:	2	60B Scour Condition:	7
		Transition:	2	60C Underwater Condition:	N
		App. G. Rail:	1	71 Waterway Adequacy:	9
		App. Rail End:	1	61 Channel Protection Cond.:	7
		53 Minimum Cl. Over:	99' 99 "	68 Deck Geometry:	2
		Under:	N 00' 00 "	69 UnderClr. Horz/Vert:	N
		* 228 Minimum Vertical Cl		72 Appr. Alignment:	8
		Act. Odm Dir.:	99' 99 "	62 Culvert:	N
		Oppo. Dir:	99' 99 "		
		Posted Odm. Dir:	00' 00 "		
		Oppo. Dir:	00' 00 "		
		55 Lateral Undercl. Rt:	N 0.0		
		56 Lateral Undercl. Lt:	0.0		
		* 10 Max Min Vert Cl:	99' 99 " Dir: 0		
		39 Nav Vert Cl:	000 Horiz: 0000		
		116 Nav Vert Cl Closed:	000		
		245 Deck Thickness Main:	7.30		
		Deck Thick. Approach:	0.00		
		246 Overlay Thickness:	3.00		
		212 Year Last Painted:	Sup: 1985 Sub: 0000		
				253 Notification Date:	2/1/1901
				258 Fed Notify Date:	2/1/1901

Hydraulic Data**215 Waterway Data**

Highwater Elev.: 1910.0 Year: 1900

Flood Elevation: 0000.0 Freq.: 00

Avg. Streambed Elev.: 1901.5

Drainage Area: 00014

Area of Opening: 000700

113 Scour Critical: U

216 Water Depth: 01.8 Br. Height: 23.7

222 Slope Protection: 1

221 Spur Dikes Rear: 0 Fwrd: 0

219 Fender System: 0

220 Dolphin: 0

223 Culvert Cover: 000

Type: 0

No. Barrels: 0

* Width: 0.00 Height: 0.00

* Length: 0 Apron: 0

265 U/W Insp. Area: 0 Diver: ZZZ

Location I.D. No.: 055-00048D-000.66E

Posting Data

70 Bridge Posting Required:

41 Struct Open, Posted, CL:

* 103 Temporary Structure:

232 Posted Loads

H-Modified:

HS-Modified:

Type 3:

Type 3s2:

Timber:

Piggyback:

253 Notification Date:

258 Fed Notify Date:

Quarles, Johnny

From: Tang, Yun
Sent: Tuesday, April 08, 2008 11:17 AM
To: Quarles, Johnny
Subject: 0005530 Chattooga BR-0005-00(530) SR 48 over E Fork Little River, Concept Report

Hi, Jonny:

According to my record, on March 8, 2004, Brian Summers recommended this bridge to be replaced due to steel beam deterioration. This should help you to answer why this project stayed in program.

Yun Tang, P.E.
Office of Consultant Design
(404) 463-0290

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